

ABSTRACT

A liquid crystal/cured composite layer is formed by sandwiching a mixture of a liquid crystal with an uncured curable compound i.e. a curable compound represented by a structure of an acryloyl group- $(OR_1)_n$ -O-mesogen structural portion-O- $(R_2O)_m$ -acryloyl group structure (wherein each of R_1 and R_2 is a C_{2-6} alkylene group, and each of n and m is from 1 to 10), between a pair of substrates provided with transparent electrodes, and curing the curable compound.